# Maintenance requirements

**To ensure safe and economical driving, day-to-day care and regular maintenance are essential. It is the owner's responsibility to perform regular checks. Lexus recommends performing the following maintenance:**

### n General maintenance

General maintenance should be performed on a daily basis. This can be done by yourself or by a Lexus dealer.

### n Scheduled maintenance

Scheduled maintenance should be performed at specified intervals according to the maintenance schedule.

For details about maintenance items and schedules, refer to the "Warranty and Service Guide", "Owner's Manual Supplement" or "Scheduled Maintenance".

### n Do-it-yourself maintenance

You can perform some maintenance procedures yourself.
Please be aware that do-it-yourself maintenance may affect warranty coverage.

The use of Lexus Repair Manuals is recommended.

For details about warranty coverage, refer to the separate "Owner's Guide", "Warranty and Service Guide", "Owner's Manual Supplement" or "Warranty Booklet".

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### n Repair and replacement

It is recommended that genuine Lexus parts be used for repair to ensure performance of each system. If non-Lexus parts are used in replacement or if a repair shop other than a Lexus dealer performs repairs, confirm the warranty coverage.

### n Allow inspection and repairs to be performed by a Lexus dealer

- Lexus technicians are well-trained specialists and are kept up to date with the latest service information. They are well informed about the operations of all systems on your vehicle.
- Keep a copy of the repair order. It proves that the maintenance that has been performed is under warranty coverage. If any problem should arise while your vehicle is under warranty, your Lexus dealer will promptly take care of it.

## ⚠ CAUTION

### n If your vehicle is not properly maintained

Improper maintenance could result in serious damage to the vehicle and possible serious injury or death.

### n Handling of the 12-volt battery

- Engine exhaust, some of its constituents, and a wide variety of automobile components contain or emit chemicals known to the State of California to cause cancer and birth defects and other reproductive harm. Work in a well ventilated area.
- Oils, fuels and fluids contained in vehicles as well as waste produced by component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Avoid exposure and wash any affected area immediately.
- 12-volt battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 501)

Listed below are the general maintenance items that should be performed at the intervals specified in the "Warranty and Service Guide" or "Owner's Manual Supplement". It is recommended that any problem you notice should be brought to the attention of your Lexus dealer or qualified service shop for advice.

## Engine compartment

| Items | Check points |
|---|---|
| Brake fluid | Is the brake fluid at the correct level? (→P. 498) |
| Coolant | Is the coolant at the correct level? (→P. 495) |
| Engine oil | Is the engine oil at the correct level? (→P. 491) |
| Exhaust system | There should not be any fumes or strange sounds. |
| Radiator/condenser/hoses | The radiator and condenser should be free from foreign objects. (→P. 497) |
| Washer fluid | Is there sufficient washer fluid? (→P. 499) |

## Vehicle interior

| Items | Check points |
|---|---|
| 12-volt battery | Check the indicator and connections. (→P. 501) |
| Accelerator pedal | • The accelerator pedal should move smoothly (without uneven pedal effort or catching). |
| Brake pedal | • Does the brake pedal move smoothly?<br>• Does the brake pedal have appropriate clearance from the floor? (→P. 646)<br>• Does the brake pedal have the correct amount of free play? (→P. 646) |
| Brakes | • The vehicle should not pull to one side when the brakes are applied.<br>• The brakes should work effectively.<br>• The brake pedal should not feel spongy.<br>• The brake pedal should not get too close to the floor when the brakes are applied. |
| Head restraints | • Do the head restraints move smoothly and lock securely? |
| Indicators/buzzers | • Do the indicators and buzzers function properly? |
| Lights | • Do all the lights come on?<br>• Are the headlights aimed correctly? (→P. 544) |

| Items | Check points |
|---|---|
| Parking brake | • Does the parking brake pedal move smoothly?<br>• When parked on a slope and the parking brake is on, is the vehicle securely stopped? |
| Seat belts | • Do the seat belts operate smoothly?<br>• The seat belts should not be damaged. |
| Seats | • Do the seat controls operate properly? |
| Steering wheel | • Does the steering wheel rotate smoothly?<br>• Does the steering wheel have the correct amount of free play?<br>• There should not be any strange sounds coming from the steering wheel. |
| Hybrid transmission “Park” mechanism | • When parked on a slope and the parking brake is on, is the vehicle securely stopped? |

## Vehicle exterior

| Items | Check points |
|---|---|
| Doors | • Do the doors operate smoothly? |
| Engine hood | • Does the engine hood lock system work properly? |
| Fluid leaks | • There should not be any signs of fluid leakage after the vehicle has been parked. |
| Tires | • Is the tire inflation pressure correct?<br>• The tires should not be damaged or excessively worn.<br>• Have the tires been rotated according to the maintenance schedule?<br>• The wheel nuts should not be loose. |

### ⚠ CAUTION

n **If the hybrid system is operating**

Turn the hybrid system off and ensure that there is adequate ventilation before performing maintenance checks.

# Emission inspection and maintenance (I/M) programs

**Some states have vehicle emission inspection programs which include OBD (On Board Diagnostics) checks. The OBD system monitors the operation of the emission control system.**

- **If the malfunction indicator lamp comes on**

  The OBD system determines that a problem exists somewhere in the emission control system. Your vehicle may not pass the I/M test and may need to be repaired. Contact your Lexus dealer to service the vehicle.

- **Your vehicle may not pass the I/M test in the following situations:**

  - When the 12-volt battery is disconnected or discharged

    Readiness codes that are set during ordinary driving are erased. Also, depending on your driving habits, the readiness codes may not be completely set.

  - When the fuel tank cap is loose

    The malfunction indicator lamp comes on indicating a temporary malfunction and your vehicle may not pass the I/M test.

- **When the malfunction indicator lamp still remains on after several driving trips**

  The error code in the OBD system will not be cleared unless the vehicle is driven 40 or more times.

- **If your vehicle does not pass the I/M test**

  Contact your Lexus dealer to prepare the vehicle for re-testing.